

an electronic circuit coupled to the temperature sensor to process temperature data measured by the temperature sensor;

a display element coupled to the electronic circuit to display a temperature corresponding to the temperature data measured by the temperature sensor; and], the housing having an outer surface and an inner surface, an inner surface and at least one substantially transparent viewing area surface, at least a substantial portion of at least one of the outer and inner surfaces being rougher than the viewing area surface such that light passing through the rougher surface is diffusely scattered whereby the rougher surface is substantially non-transparent, the housing being formed as a single monolithic unit, the display element being arranged adjacent to the viewing area.]

a housing including a main part formed as a single monolithic unit made of a transparent material enclosing the electronic circuit, the housing having a display window consisting of the transparent material in an untreated state, and configured to allow viewing of the display therethrough, the housing further having an inner surface and an outer surface, wherein a substantial portion of at least one of the inner and outer surfaces is treated through a roughening process that renders the substantial portion to be essentially non-transparent and thereby render the electronic circuit enclosed within the housing to be non-viewable relative to the display element.

3. (Three times Amended) An electronic fever thermometer according to Claim 1, further comprising a cover part, wherein the [thermometer includes a] main part and [a] the cover part [which] are each produced in one piece from transparent plastic material.

17. (Twice Amended) An electronic fever thermometer comprising:

a temperature sensor;

an electronic circuit coupled to the temperature sensor to process a temperature measured by the temperature sensor;

a display element coupled to the electronic circuit for displaying the temperature measured by the temperature sensor; and

a housing made from a transparent material for housing the temperature sensor, the electronic circuit, and the display element, wherein the housing includes a substantially transparent viewing portion, the light diffusing portion having an integrally molded textured surface formed thereon, whereby the light diffusing portion is rougher in texture and substantially less transparent than the viewing portion so that light passing through the light diffusing portion is diffusely scattered, the display element being positioned within the housing adjacent the viewing surface to be visible therethrough, and the electronic circuit being positioned within the housing to be rendered substantially non-visible relative to the display element.

Please add new claims 18 and 19 as follows:

18. (New) An electronic fever thermometer according to Claim 6 wherein the inner surface is roughened by an etching process, and the outer surface is left in an untreated smooth state.

19. (New) An electronic fever thermometer according to Claim 17 wherein housing comprises an outer surface and an inner surface, and wherein a portion of the inner surface exclusive of the viewing portion is roughened by an etching process to produce the light

Sub
Fig 1
Fig 2
Fig 3

diffusing portion, and the outer surface is left untreated to appear smooth relative to the roughened portion of the inner surface.
